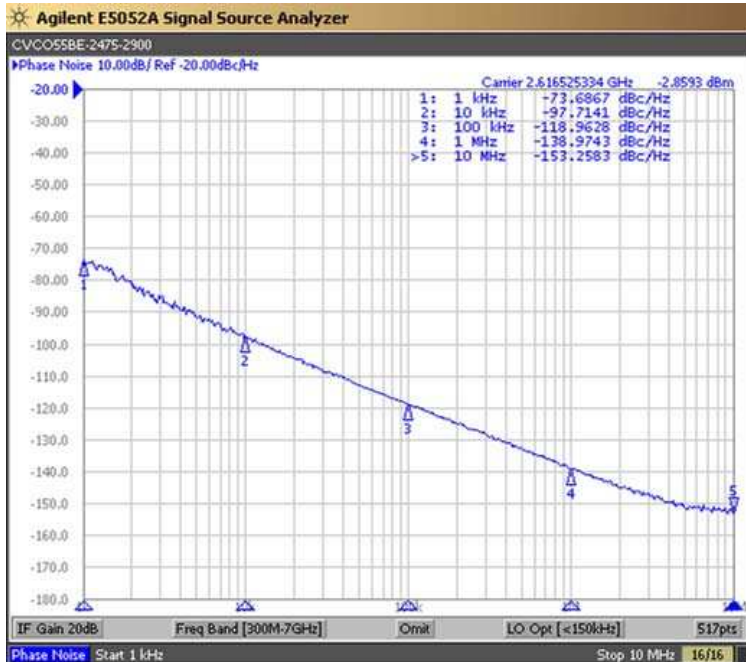


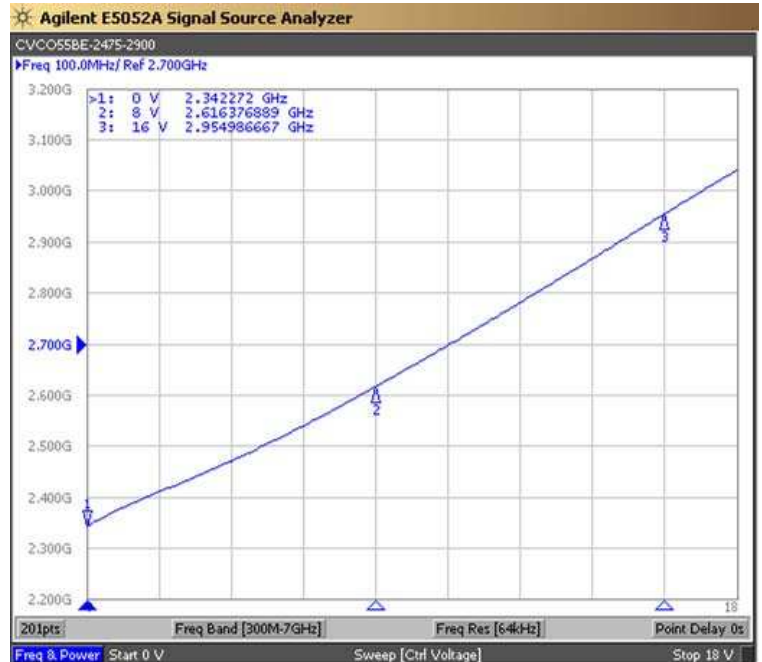


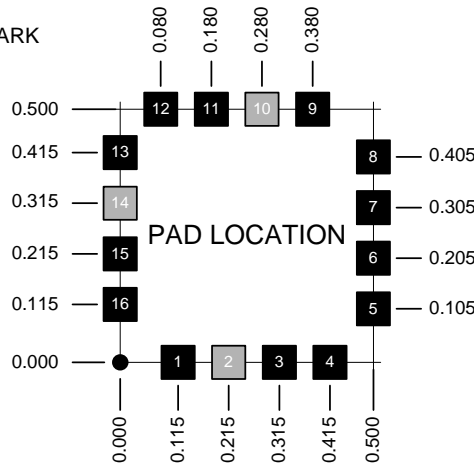
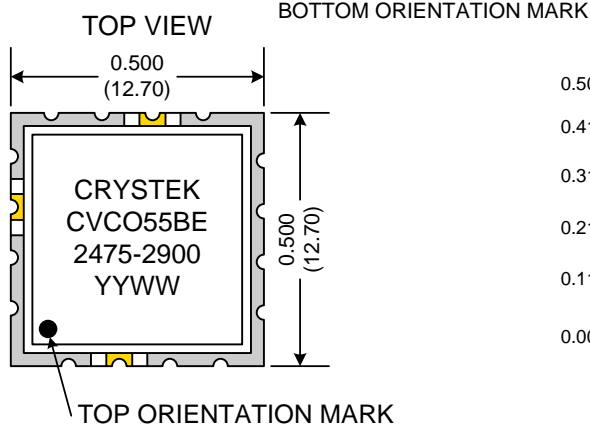
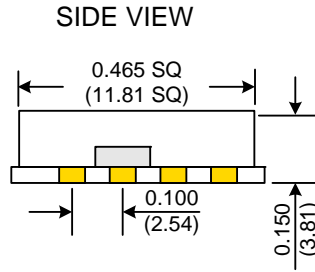
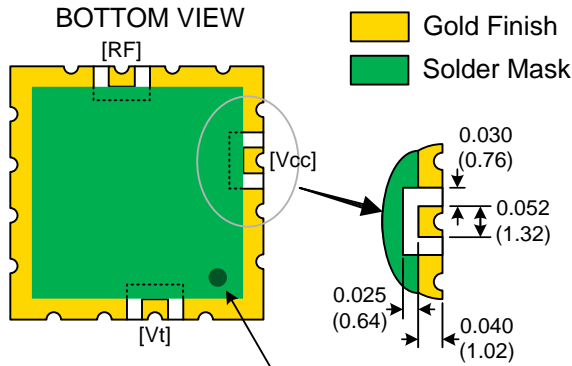
| PERFORMANCE SPECIFICATION                        | MIN  | TYP  | MAX  | UNITS        |
|--|------|------|------|--------------|
| Lower Frequency:                                 |      |      | 2475 | MHz          |
| Upper Frequency:                                 | 2900 |      |      | MHz          |
| Tuning Voltage:                                  | 0    |      | 16.0 | VDC          |
| Supply Voltage:                                  | 7.6  | 8.0  | 8.4  | VDC          |
| Output Power:                                    | -5.0 | -2.5 | 0    | dBm          |
| Supply Current:                                  |      | 28   |      | mA           |
| Harmonic Suppression (2 <sup>nd</sup> Harmonic): |      | -15  | -8   | dBc          |
| Pushing:   |      | 0.5  |      | MHz/V        |
| Pulling, all Phases:                             |      | 1.0  |      | MHz pk-pk    |
| Tuning Sensitivity:                              |      | 30   |      | MHz/V        |
| Phase Noise @ 10kHz offset:                      |      | -100 | -95  | dBc/Hz       |
| Phase Noise @ 100kHz offset:                     |      | -120 | -115 | dBc/Hz       |
| Load Impedance:                                  |      | 50   |      | $\Omega$     |
| Input Capacitance:                               |      |      | 47   | pF           |
| Operating Temperature Range:                     | -40  |      | +85  | $^{\circ}$ C |
| Storage Temperature Range:                       | -45  |      | +90  | $^{\circ}$ C |

Phase Noise (1 Hz BW, Typical)



Tuning Curve (Typical)

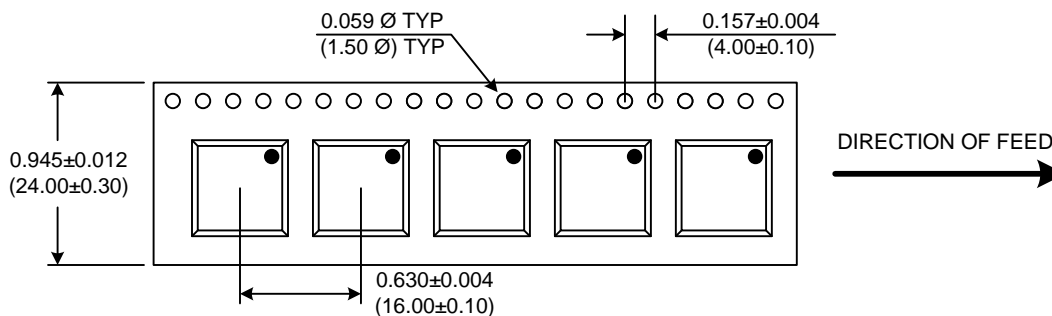




| Pad    | Connection |
|--------|------------|
| 2      | Vt         |
| 10     | RF-OUTPUT  |
| 14     | Vcc        |
| Others | GROUND     |

- Unless otherwise specified, Dimensions are in:  $\frac{IN}{(mm)}$
- Pad Location Dimensions are in: Inches

**TAPE AND REEL**



Drawing not to scale

**Product Control:**

|                      |                    |               |           |
|----------------------|--------------------|---------------|-----------|
| Crystek Part Number: | CVCO55BE-2475-2900 | Release Date: | 19-Sep-12 |
| Revision Level:      | D                  | Responsible:  | C. Vales  |

Specification is subject to change without notice